

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of communication between a mobile station and a base station in a mobile communication system, comprising the steps of:

[(1)] when a mobile station receives a data transmission request, providing one portion of a period of a data frame with regular number and arrangement of down link slots and up link slots and the other portion of the data frame with irregular number and arrangement of down link slots or/and up link slots depending on characteristics and amount of subscriber data to be transmitted;

[(2)] determining a transmission type according to which a communication is executed using a competition period for determining priorities of the subscriber data, a reservation period for making a reservation for time slots for use in transmission of the subscriber data, and an assignment period for assigning a [memory period] time slot according to an amount of the subscriber data, which periods are selectively and respectively included in the one portion of the data frame and in the other portion of the data frame; and

[(3)] providing the data frame according to the transmission type and transmitting to the base station.

2. - 17. Canceled.

18. (New) An apparatus configured to process a frame of data, wherein:

a portion of the frame is configured for synchronous duplexing communication; and

a portion of the frame is configured for asynchronous duplexing communication.

19. (New) The apparatus of claim 18, wherein:

the portion of the frame configured for synchronous duplexing communication includes alternating uplink time slots and downlink time slots; and

the portion of the frame configured for asynchronous duplexing communication includes uplink time slots and downlink times slots that are arranged according to data traffic demands of the apparatus.

20. (New) The apparatus of claim 18, wherein the apparatus is at least one of a base station, a mobile device, and a switching center.

21. (New) The apparatus of claim 18, wherein:
- synchronous duplexing communication is time division duplexing with an equal number of uplink time slots and downlink time slots; and
- wherein each of the uplink time slots and the downlink times slots have the same data capacity.
22. (New) The apparatus of claim 18, wherein the apparatus is a radio communication device.